



STATE LEVEL SEMINAR ON ARTIFICIAL INTELLIGENCE IN LIFE SCIENCES

ORGANISED BY

DEPARTMENT OF BOTANY AND RESEARCH CENTRE

About the College

Lady Doak College, a premier Christian Institution and the first Women's College in Madurai, was the brainchild of Ms. Katie Wilcox, an American missionary with a vision and fervour for the empowerment of women. The College made its humble genesis in 1948, and within a short span of time, in 1978, it was commissioned to function as an autonomous college, being affiliated to the Madurai Kamaraj University. This college strives to develop the student's intellectual powers, locate, identify and cultivate their interests and talents and train them to be responsible and useful citizens.

About the Department

The Department of Botany, which was started in 1952, offers an undergraduate and Post graduate course in Botany, and is recognized as a Research Centre in Botany and Microbiology. The Department has been recognized as a DST-FIST sponsored department. Under Star College Scheme of DBT, the department had received financial assistance for strengthening of Life Sciences & Biotechnology education. 14 students have received TNSCST student project grants and 3 minor and 9 major research projects have been granted by funding agencies such as UGC, CSIR, DBT, MOEF, DST-WOS-A, DST-TNSCST and DBT-BBSRC-INDO UK. 17 students have been awarded Ph.D Degree.

About the Seminar

Artificial intelligence (AI) is transforming the life sciences industry, enabling entrepreneurs to develop innovative solutions that improve human health and well-being. AI-powered technologies, such as machine learning and natural language processing, are being leveraged to analyze complex biological data, identify new drug targets, and personalized medicine. In plant science, AI-powered precision agriculture optimizes crop yields, detects pests and diseases, and predicts weather patterns. In life sciences, AI accelerates disease diagnosis, personalized medicine, and drug discovery.

Entrepreneurs are leveraging AI to develop innovative solutions, creating new business models and revenue streams. AgriTech startups use AI for crop monitoring and farm management, while synthetic biology ventures develop novel bio-based products. Precision medicine startups create AI-driven platforms for personalized healthcare.

As the life sciences industry continues to evolve, AI-driven entrepreneurship will play an increasingly important role in shaping its future. The intersection of AI, plant science, life sciences, and entrepreneurship has the potential to solve some of humanity's most pressing challenges, from food security to disease prevention. As these fields continue to converge, we can expect to see groundbreaking innovations that transform industries and improve lives.

EMINENT RESOURCE PERSONS

INAUGURAL ADDRESS

Title: Taxonomy, Taxonomists and Artificial Intelligence

Dr. S. Chandrasekaran

Head, Dept. of Plant Morphology and Algology
Professor of Plant Sciences
School of Biological Sciences
Madurai Kamaraj University, Madurai

PLENARY SESSION-I

Title: Revolutionizing Life sciences with the power of Artificial Intelligence

Dr. Noorjahan Abdulbari

Research Director and CEO,
Biofocus Scientific Solutions Pvt. Ltd.
Kumbakonam, Thanjavur

PLENARY SESSION-II

Title: Role of Artificial Intelligence in Innovation and Entrepreneurship

Dr.S.Vijay Ananth

Incubation Head in CITBIF,
Assistant Professor
Department of Electronics and Communication
Chennai Institute of Technology, Chennai

Registration Details:

CLICK HERE TO REGISTER



Registration fees

Faculty, Research Scholars,
Students-**Rs.200/-**

Last date for Registration-
02.02.2025

PATRON

Dr. R. Beulah Jeyashree

Principal & Secretary,
Lady Doak College, Madurai.

ORGANISING COMMITTEE

Convenor

Dr. G. Priscilla Sweetlin

Head and Assistant Professor
Department of Botany
Lady Doak College, Madurai.

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Dr. P. Sakthieaswari

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DATE: 04.02.2025.

TIME: 09:30 A.M